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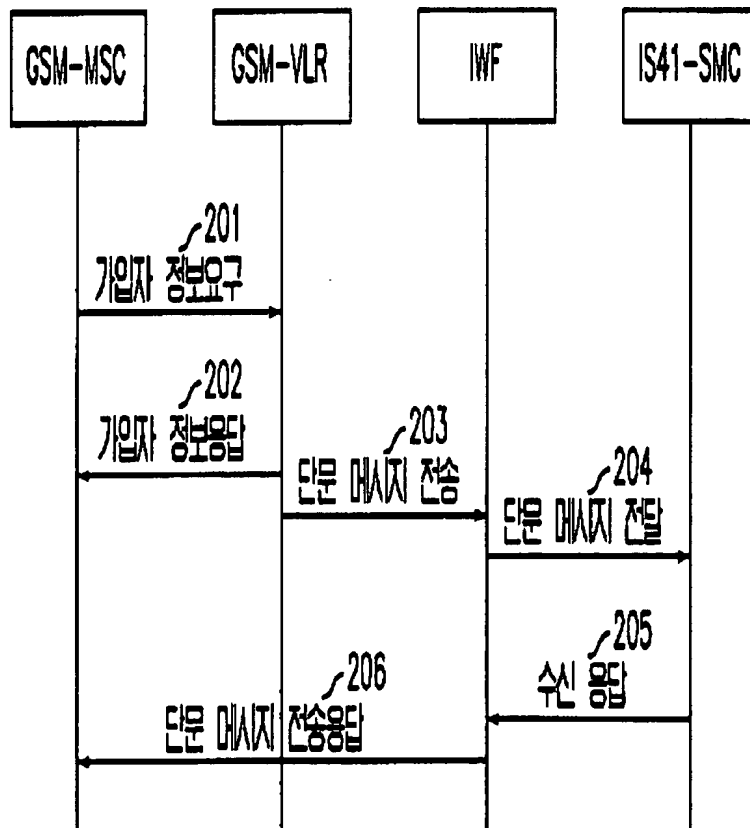
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METHOD FOR SUPPLYING SHORT MESSAGE SERVICE IN MOBILE COMMUNICATION SYSTEM USING DIFFERENT PROTOCOLS

Representative drawing

(57) Abstract:



PURPOSE: A method for supplying a short message service(SMS) in a mobile communication system is provided, so that global system for mobile communications(GSM) network subscribers and international standard(IS)-41 network subscribers can receive transmitted short messages or transmit the short messages to a short message service center, regardless of networks registered by the GSM network subscribers and the IS-41 subscribers, by interworking a GSM network with an IS-41 network having different SMS supplying procedures and mobile application part(MAP)

| . | | protocols.

CONSTITUTION: A method for supplying a short message service(SMS) between a global system for mobile communications(GSM) network and an international standard(IS)-41 network using different protocols, respectively, comprises the steps of: transforming a short message transmitted to a SMS center of the IS-41 network from a mobile terminal of the GSM into a short message form utilized in the IS-41 network, and transforming an international mobile subscriber identity(IMSI) of the GSM network into a mobile identification number(MIN) and an electronic serial number(ESN) of the IS-41 network, then transmitting the short message to the SMS center; transforming the transmitted short message into a short message form used in the GSM network, and transforming the MIN and the ESN into the IMSI, then transmitting the short message to a SMS center of the GSM network; transforming the MIN and the ESN into the IMSI to identify subscriber information, and transforming the short message of the IS-41 network into the short message form of the GSM network, then transmitting the short message to a corresponding subscriber; transforming the IMSI into the MIN and the ESN to identify a subscriber location; and transforming the short message of the GSM network into the short message form of the IS-41 network, and then transmitting the short message to the subscriber.

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